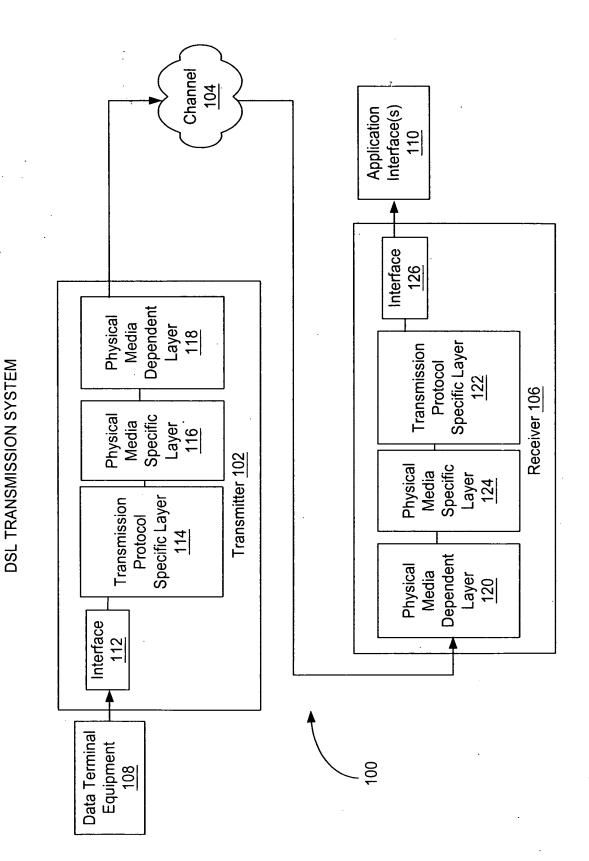
FIG. 1

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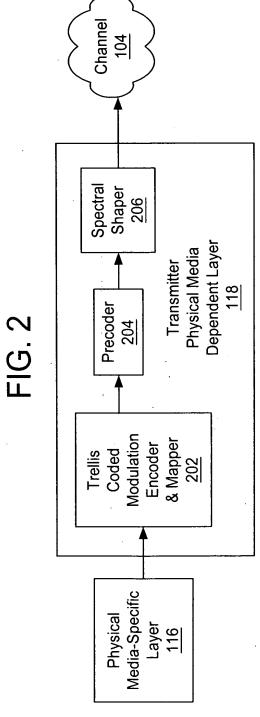
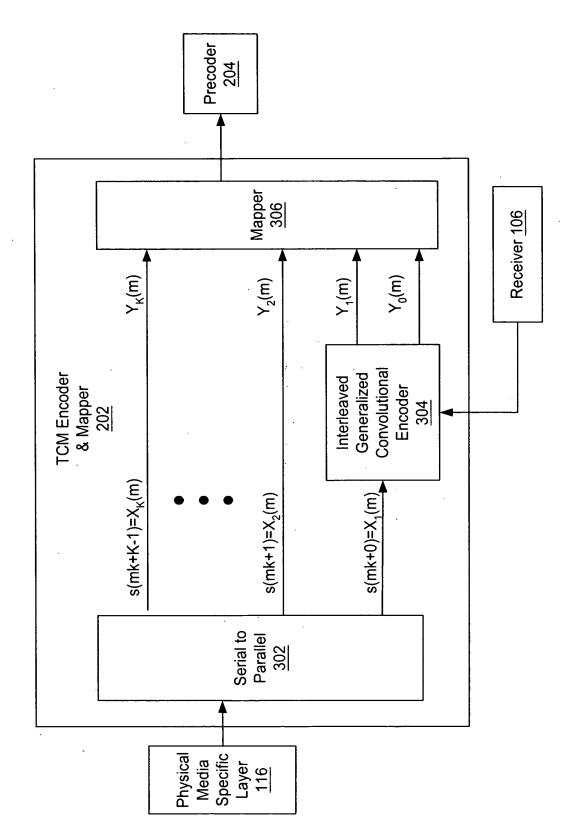


FIG. 3



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FIG. 4



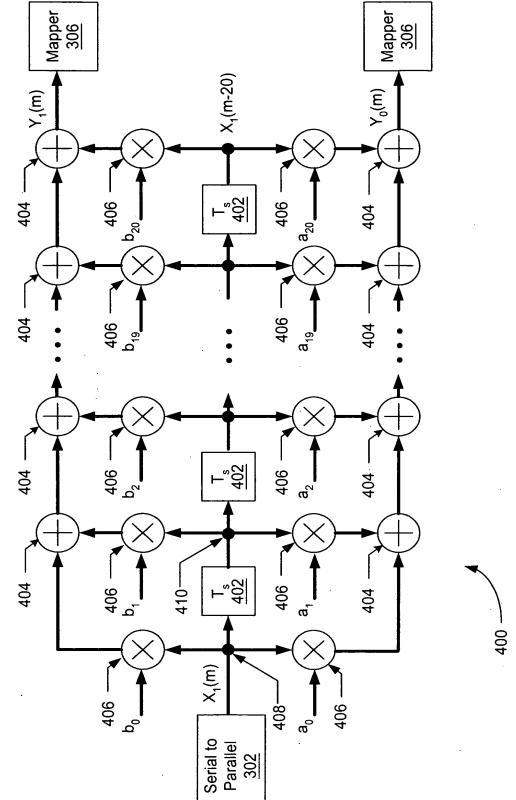


FIG. 5
Interleaved Generalized
Convolutional Encoder

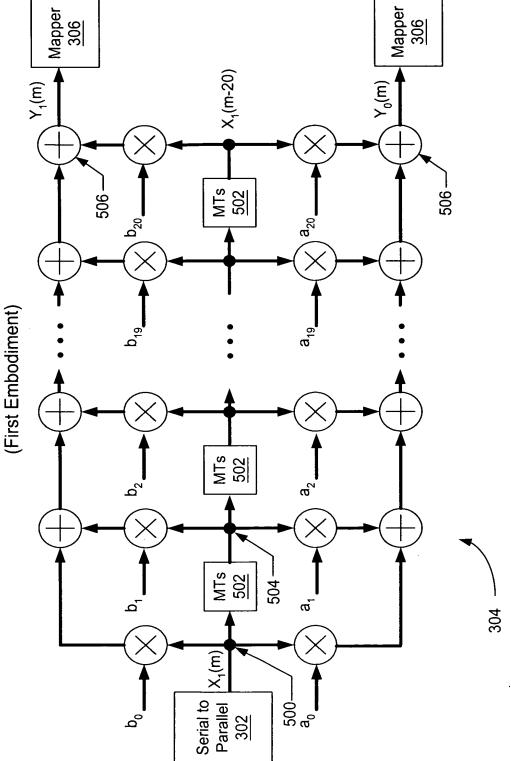
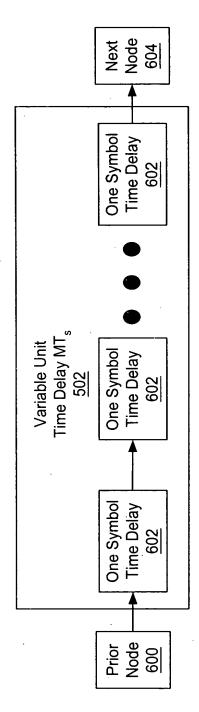


FIG. 6



## FIG. 7 Activation Frame Format (Prior Art)

Activation	
Frame Bit	Definition
LSB:MSB	
1-14	Frame Sync for T <sub>c</sub> and T <sub>r</sub> : 11111001101011 <sub>2</sub> , where the left-most bit
<u> </u>	is sent first in time
	Frame Sync for F <sub>c</sub> : 1111100110111 <sub>2</sub> , where the left-most bit is sent
	first in time
15.36	Precoder Coefficient 1: 22 bit signed two's complement format with 17
00	bits after the binary point, where the LSB is sent first in time.
37:58	Precoder Coefficient 2
59:3952	Precoder Coefficients 3 – 179
3953:3974	Precoder Coefficient 180
3975:3995	Encoder Coefficient A: 21 bits where the LSB is sent first in time
3996:4016	Encoder Coefficient B: 21 bits where the LSB is sent first in time
4017:4144	Vendor Data: 128 bits of proprietary information
4145:4211	Reserved: 67 bits set to logical zeros
4212:4227	CRC: c <sub>1</sub> sent first in time, c <sub>15</sub> sent last in time

## FIG. 8

## Interleaved Generalized Convolutional Encoder Activation Frame Format

Activation	
Frame Bit	Definition
LSB:MSB	
1.17	Frame Sync for T <sub>c</sub> and T <sub>r</sub> : 11111001101011 <sub>2</sub> , where the left-most bit
<u>r</u>	is sent first in time
	Frame Sync for F <sub>c</sub> : 1111100110111 <sub>2</sub> , where the left-most bit is sent
	first in time
15.36	Precoder Coefficient 1: 22 bit signed two's complement format with 17
00.01	bits after the binary point, where the LSB is sent first in time.
37:58	Precoder Coefficient 2
59:3952	Precoder Coefficient 3 –179
3953:3974	Precoder Coefficient 180
3975:3995	Encoder Coefficient A: 21 bits where the LSB is sent first in time
3996:4016	Encoder Coefficient B: 21 bits where the LSB is sent first in time
4017:4024	Multiplicity of Convolution Encoders, M: 8 bits where the LSB is
	sent first in time
4025:4152	Vendor Data: 128 bits of proprietary information
4153:4211	Reserved: 59 bits set to logical zeros
4212:4227	CRC: c <sub>1</sub> sent first in time, c <sub>15</sub> sent last in time

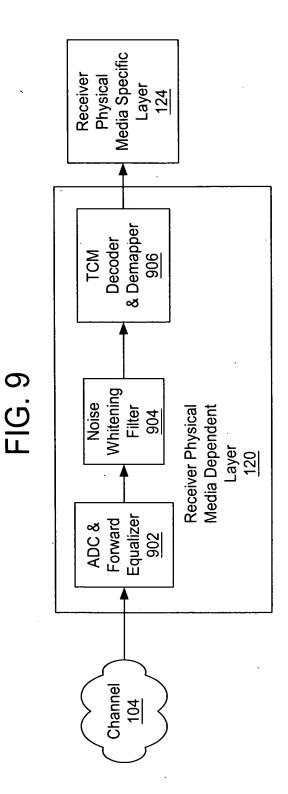


FIG. 10

